

Soudafoam SMX

Revision: 20/05/2021

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Technical data

Basis	Silane terminated SMX polymer
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (EN 17333-3)	7 min
Cutting Time (EN 17333-3)	35 min
Free foamed density (EN 17333-1)	Ca. 37 kg/m ³
Box Yield (EN 17333-1)	500 ml yields ca. 8 l of foam
Joint Yield (EN 17333-1)	500 ml yields ca. 9 m of foam
Shrinkage after curing (EN 17333-2)	< 1 %
Expansion after curing (EN 17333-2)	< 7 %
Expansion during curing (EN 17333-2)	Ca. 88 %
Compressive strength (EN 17333-4)	Ca. 6 kPa
Shear strength (EN 17333-4)	Ca. 26 kPa
Tensile Strength (EN 17333-4)	Ca. 47 kPa
Elongation at Fmax (EN 17333-4)	Ca. 64 %
Temperature resistance**	-40 °C till +90 °C (cured)

** This information relates to fully cured product.

Product description

Soudafoam SMX is ready to use one component self-expanding and 100 % isocyanate free foam. Soudafoam SMX is filled with HCFC- and CFC-free propellants which are not harmful for the ozon layer.

- Improving thermal isolation in cooling systems.

Packaging

Colour: white

Packaging: 500 ml aerosol (net)

Properties

- Excellent stability (no shrinkage or post-expansion)
- High filling capacity
- Good adhesion on all surfaces (except PE, PP and PTFE).
- High insulation value, thermal and acoustic
- Very good bonding properties.
- Not UV-resistant
- Freon free (not harmless to ozone layer and greenhouse effect)

Shelf life

12 months unopened and stored in dry and cool conditions (Between 5 and 25 °C), Upright storage is recommended.

Applications

- Installing of window and door frames.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Application method

Shake the aerosol can for at least 20 seconds. Put the adapter on the valve. Moisten surfaces with a water sprayer prior to application. For non-conventional substrates a preliminary adhesion test is recommended. Remove pressure from the applicator to stop. Fill holes and cavities for 1/3, as the foam will expand. Repeat shaking regularly during application. If you have to work in layers repeat moistening after each layer. Fresh foam can be removed using Soudal Gun & Foamcleaner or acetone. Prior to using the Gun & Foamcleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this. Cured foam can only be removed mechanically or with Soudal PU-Remover.

Can temperature: +10 °C - 30 °C

Ambient temperature: +5 °C - 30 °C.

Surface temperature: +5 °C - 35 °C

Health- and Safety Recommendations

Take the usual labour hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away. Consult label and material safety data sheet for more information. Use only in well ventilated areas.

Remarks

- Moisten surfaces with a water sprayer prior to application. If you have to work in layers repeat moistening after each layer. For not common surfaces we recommend an adhesion test.

Standards and certificates

- EC-1 PLUS label: very low emission
- Building Material Class B2 (DIN 4102-1) - Test report P-SAC 02/III-496 (MFPA Leipzig)
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